



Fig. 1

1. GTGAGTTAT TGCATGGATG GGGTACATGG TAGTGGCCATC CTGCGTTGCG TAACAGGCGT TGTATAAAAG
 71 CTGGGCGGT TGCATCAAGT TGAACACAAAT ATCTGAGAT TTTGGACTT CGGGAAAGCG AAAGGGGAAA
 141 ATACGTTTGG AGATCAACCGT GTTCTGCGCG CTGGTCAATG ATCTTTGGT CGGGTACCGT TGTAAAGATC
 211 TGACGACCGT GGGTGGTGGT GAAACAAACGTA AGTGGATGCA ATATCTGTAT TGTATAAATGAA AACGCGTGC
 281 TGTCTTGGT ATATGCGTGTG AATTCGAGGCG TGTACGATG AGCTGAAAGAA AACGCGTTGC CGGGATCTAA
 351 TTGGTAAAGAC ACACAAACG CGGGTACCGT GGGTGGTGGT CGGGTACCGT TGTAAAGCG GATGGAAACG
 421 GAAAGCTGAC ACCGGGGCGCGA TACCGTGGCG TGTGGGATGAG ATGGGCGTGC AGATGAACTT TGTGATGCG
 491 AAACGTTAAATG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 561 TAAATAAAGCA GTTCTGAAAG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 631 TATGAGTGC TGTATGGCGT CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 701 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 771 TGTGGTGGT TGTAAAGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 841 ATTTAAGGATG TGTGGTGGTGGT CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 911 TATATGGTGT TGTGGTGGTGGT CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 981 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1051 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1121 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1191 ATGGTCAACC TAAACGCGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1261 TGTGGTGGTGGT CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1331 ATTTAAGGATG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1401 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1471 AGAGATGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1541 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1611 TGTGGTGGTGGT CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1681 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1751 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1821 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1891 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 1961 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2031 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2101 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2171 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2241 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2311 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2381 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2451 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2521 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2591 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2661 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2731 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2801 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2871 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 2941 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3011 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3081 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3151 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3221 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3291 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3361 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3431 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3501 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG
 3571 CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG CGGGGGGGCG

Fig 2

1 MPLSKHQIEQLSKPLSDDSICGVYLKLEKSAFRPLRNEFNVAQTALRKLSQNPSADERDALQEACLWKWK
71 ILSDSLYEQFSKTTTRDIELISWFVAAQFLDDTTLESAAANSLEWLAIDLSEKHWDHLNPVLPVETLKSDDDK
141 GKEREQADAKVKAFFQLVGDSEESSILYAPVILQLPLVGEVTFFDFQSAERKGEISQLKSMILTTVAQER
211 FAIQFKMENA KRCVTQLDRILSALVSTKCHSLGSQSTNFGFAKSLLTRVENALVHLSGIKLAPKAEAKTVE
281 QEVAAESSVSEGELPSHMDTKHIERIPMASEQAQTVSQHLHAGNLSELGNLNNMRDLAFHILLREVDYFR
351 QSEPHSPISFLLEKAIRWGYLSLPELLREMMSEQNGDALSTIFNAAGLNHLDQVLLPEVSTPTVGIESPQ
421 TPQAKPSVSDPRSVEEHVSQTSPVDTQSKQDQKPQSSATSALSW*

Fig. 3a

100 90 80 70 60 50 40 30 20 10

1 MASIYMRVSGLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSEVSVTK
71 EVDGASEDILLSYLFNPGKDGTVEVAFIKPSNDGQGADVYFQVKLEKARLVSYNVSGTDGSQPYESL
141 YTSISQKHHY EKEGGELOSGGVVTVYDLPTGKMTSGK•

Fig. 3b

PRINT OF DRAWINGS
AS ORIGINALLY

1 MALNSQHKRVSKNRVSITYDVE^{NGA}VKTKE^{LP}VVG^{VG}IGDFSGHKPE^EKVD^{LE}E^{RF}TG^{ID}KDNFDTV
71 MGQIH^{PR}LSYKVD^NK^LAND^DSQFEVNLSL^RSMKDFH^PENLVDXIEPL

Fig. 3c